

ACCESSION NR: AP4040792

qualitative explanation of the structure of 90 degree walls of ferroelectric domains in barium titanate was worked out on the basis of different representation of domains in barium titanate was worked out on the basis of different representation of domains in different reflections. The authors thanked H. Arend, CSc., for preparing crystals and J. Fousek, CSc., V. Janovec, CSc., and B. Sestak, CSc., for valuable discussions. Orig. art. has: 3 figures (in appendix of journal).

ASSOCIATION: Institute of Physics, Czechosl. Acad. Sci., Prague

SUBMITTED: 22Dec63 ENCL: 00

SUB CODE: SS NO REF Sov: 000 OTHER: 011

Card 2/2

67097

CZECH/37-59-6-5/25

24.7100

AUTHOR: Milena Polcarová

TITLE: Investigation of the Structure of Surface-Deformed
Silicone Iron Single Crystals²⁾PERIODICAL: Československý Časopis Pro Fysiku, 1959, Nr 6,
pp 580-587

ABSTRACT: Ref 1 contains a review of the properties of surface layers on ground metals. Several theories have been advanced to explain the mechanism by which the deformed layer is created (Refs 2, 3). In the present work, deformations of surfaces by a sapphire needle or a steel ball have been studied in preference to the usual abrasion. The monocrystals were grown by Sestak (Ref 4) (3.5% Si, 0.01% C, 0.002% Cu, and traces of Mn, P, S, Ni). The crystals were ground parallel to the (110) plane, and annealed at 800 °C for 2 hours. They were then mechanically and electrolytically polished. The deformation by the sapphire needle was carried out by a needle with radius of curvature 20 μ . The needle was inclined by 20° and loaded by 55 g. The lines were 20 μ wide and spaced 5 μ apart (Fig 1a). The steel ball was of 1 mm diameter, loaded by 130 g. The trace

Card
1/4

4

67097

CZECH/37-59-6-5/25

Investigation of the Structure of Surface-Deformed Silicone Iron
Single Crystals

of the ball was 35μ wide, spaced 15μ apart (Fig 1b). Both needle and ball were manually moved with a velocity of approximately 1 cm/sec . The direction of the deformation was in the direction [110]. The structure of the samples was studied by X-rays on the surface and at varying depths. The surface layers were removed by etching in 10 parts of 35% hydrochloric acid and 1 part of 25% nitric acid. The arrangement for the crystallographic examination is shown in Fig 2, and has been described in Refs 5-7. The G-M counter was brought into a position for the (110) reflection of α -iron. The sample was rotated on a vertical axis. The width of the diffraction line was measured at 50%, 10%, 1% and 0.1% of the maximum intensity. Reflections were taken for the non-deformed, deformed and etched crystals. The line width at half intensity for an annealed and electrolytically polished or etched crystal was $5-6'$. Fig 3 shows the reflection curves for a crystal deformed by the sapphire needle. The curve taken when the grooves were perpendicular to the plane of incidence of

Card
2/4

67097

CZECH/37-59-6-5/25

Investigation of the Structure of Surface-Deformed Silicone Iron
Single Crystals

the beam is almost symmetrical. Its width at half intensity is 28', at 0.1 intensity 90'. If the grooves were in the plane of incidence, the curve was considerably asymmetrical. At 10% maximum intensity, the distance from the maximum is 16' on one side and 40' on the other. Fig 4a shows the reflection curves for varying depths with grooves perpendicular to the plane of incidence, while Fig 4b shows the same with the grooves in the plane of incidence. The width and the asymmetry of the curves decreases with depth and reaches the values for the non-deformed crystal at about 20-25 μ . This is also shown in Fig 5. Deformation by the ball did not lead to considerable asymmetry, but again caused broadening of the line (Fig 6). Fig 7 shows the deformation diminishing with depth and disappearing at about 30-40 μ . The results can be explained by breaking up of the surface layer of the monocrystal and twisting of some crystalline blocks relative to their original orientation. The asymmetry is caused by such twisting into a preferred orientation. The direction of the

Card
3/4

4

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341720006-7

~~POLCHAK, M.~~ VOKURKA, V.

Role of the immunological theory in the clinical course of
ulcerative colitis. Suvar.med. (Sofia) 15 no.3:11-15 '64.

*

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341720006-7"

POLCHAK, I., prof.; VOKURKA, V.; SKALOVA, M.

Pathogenesis of ulcerative colitis. Sov. med. 24 no. 10:68-72
0 '60. (MIRA 13:12)

1. Iz 2-y terapevticheskoy kliniki meditsinskogo fakul'teta
Gosudarstvennogo universiteta Brno (zav. kafedroy -- prof. I.
Polchak).

(COLON--DISEASES)

POLCHAK, I.

Serological methods in gastroenterology. Zdrav. Tadzh. 8 no.5:3-6
S-0 '61. (MIRA 15:1)

1. Iz II terapevticheskoy kliniki, gor. Brno, Chekhoslovakija.
(GASTROENTEROLOGY) (SERUM THERAPY)

GUTTSAYT, B.L.; MOISEYEVA, Ye.N.; POLCHANINOV, L.I.; RASSADINA, K.A.;
SAVICH, V.P.; USPENSKIY, K.F.

Perfume lichens; on creative collaboration between the section of
sporogenous plants of the Botanical Institute of the Academy of
Sciences of the U.S.S.R. and the "Severnoe sianie" Perfume Factory.
Trudy Bot.inst.Ser.2 no.10:385-392 '56. (MLRA 10:2)
(Lichens) (Perfumery) (Resinoids)

POLCHANINOV, P.

Increase the profitability of transportation. Avt.transp. 42
no.12:1-2 D '64. (MIRA 18:4)

1. Nachal'nik finansovogo upravleniya Ministerstva avtomobil'nogo
transporta i shosseynykh dorog RSFSR.

POLCHANINOV, P.

Develop the inspection of automotive transportation operations.
Avt.transp. 38 no.3:12-13 Mr '60. (MIRA 13:6)
(Transportation, Automotive)

POLCHANINOV, P.

Strengthen financial discipline in automotive transportation
units. Avt.transp. 38 no.8:32-33 Ag '60.
(MIRA 13:8)
(Transportation, Automotive--Finance)

POLCHANINOV, P.

Regulation of the accounting for automotive haulage. Avt.transp.
39 no.12:29-30 D '61. (MIRA 15:1)
(Transportation, Automotive--Accounting)

KALABUKHOV, F.V.; SEMIKIN, N.V.; SHUL'MAN, A.S.; BRAZOVSKAYA, T.I.; MIZINOV, V.N.; BASH, M.S.; BRONSHTEYN, L.A.; POLCHANINOV, P.V.; VERKHOVSKIY, I.A.; KOROL'KOV, A.I.; GERONIMUS, B.L.; STRYZHKOVA, N.I., red.; GALAKTIONOVA, Ye.N., tekhn. red.

[Principles of the economics of automotive transportation; for the aid of those studying the economics of automotive transportation] Osnovy ekonomiki avtomobil'nogo transporta; v pomoshch' izuchaiushchim ekonomiku avtomobil'nogo transporta. Moskva, Avtotransizdat, 1963. 357 p.

(MIRA 17:3)

1. Zaveduyushchiy kafedroy ekonomiki i organizatsii proizvodstva Moskovskogo avtomobil'no-dorozhnogo instituta (for Bronshteyn).

KURSHEV, A.N., red.; SEMIKIN, N.V., red.; BRONSHTEYN, L.A., red.; VVERKHOV-SKIY, I.A., red.; KASHKIN, J.I., red.; OSTROVSKIY, N.B., red.; POL-CHANINOV, P.V., red.; YABLOKOV, V.I., red.; MAL'KOVA, N.V., tekhn.
red.

[Manual of the automotive transportation worker; production and finance planning, accounting and reporting in automotive transportation units] Spravochnik rabotnika avtomobil'nogo transporta; proizvodstvennoe i finansovoe planirovanie, uchet i otchetnost' v avto-khoziaistvakh. Red. kollegiia: L.A.Bronshtain i dr. Moskva, Avto-transizdat, 1961. 310 p. (MIRA 14:6)

1. Russia(1917- R.S.F.S.R.) Ministerstvo avtomobil'nogo transporta i shosseynykh dorog.
(Transportation, Automotive)

KURSHEV, A.N., red.; SEMIKIN, N.V., red.; BRONSHTEYN, L.A., red.; VERKHOVSKIY, I.A., red.; KASHKIN, V.I., red.; OSTROVSKIY, N.B., red.; POLCHANINOV, P.V., red.; YABLOKOV, V.I., red.; MAL'KOVA, N.V., tekhn. red.

[Manual for highway transport workers; organization of operations of automotive transportation units for passenger and freight transportation, operation and maintenance of rolling stock and traffic safety]
Spravochnik rabotnika avtomobil'nogo transporta; organizatsiya raboty avtokhoziaistva, perevozki gruzov i passazhirov, tekhnicheskaya ekspluata tsiya avtomobil'nogo transporta i bezopasnost' dvizheniya. Moskva, Avtotransizdat, 1961. 607 p.
(MIRA 14:12)

1. Russia (1917- R.S.F.S.R.) Ministerstvo avtomobil'nogo tranporta i shosseynykh dorog.
(Transportation automotive) (Traffic safety)

L 6370-66

ACC NR: AP5026751

SOURCE CODE: UR/0286/65/000/017/0025/0026

INVENTOR: Artemenko, Ye. P.; Politova, A. Ye.; Polchaninov, V. A.; Nekroyenko, N. V.; Zemskov, B. A.

TITLE: A multisectioal collapsible girder post. Class 21, No. 174226 [announced by Organization of the Ministry of Defense SSSR (Organizatsiya Ministerstva oborony SSSR)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 17, 1965, 25-26

TOPIC TAGS: hoisting equipment, construction machinery

ABSTRACT: This Author's Certificate introduces a multisectioal collapsible girder post of improved operational reliability based on Author's Certificate No. 158606. A hoisting carriage is fastened in a gap in the load chain by means of a hinged link which is connected with a pivoted block used for forced collapse of the post sections. This carriage contains a spring-return catch made in the form of a hinged lever with a triangular groove and trihedral teeth in the free end.

UDC: 621.396.676

Card 1/2

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Card 2/2

L 04282-67

ACC NR: AP6013246

SOURCE CODE: UR/0413/66/000/008/0035/0036

34

B

AUTHORS: Artemenko, Ye. P.; Zemskov, B. A.; Polchaninov, V. A.

ORG: none

TITLE: Telescopic multisectional truss mast. Class 21, No. 180649

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 8, 1966, 35-36

TOPIC TAGS: antenna mast, automatic machine, antenna engineering

ABSTRACT: This Author Certificate presents a telescopic multisectional truss mast after Author Certificate No. 158606. An antenna located in the upper section of the mast is connected by feeder cables to a transmitter and a receiver placed on an automatic mechanism. To fix or loosen the feeder cables automatically while extending or bringing together the sections of the mast, a holding device is fixed on every section (see Fig. 1). This device consists of two lugs with openings. The lugs are compressed together by springs; the immovable section carries a sharp wedge. The lugs are so disposed that the sharp wedge passes through one of the openings between them, while the feeder cables pass through the remaining openings.

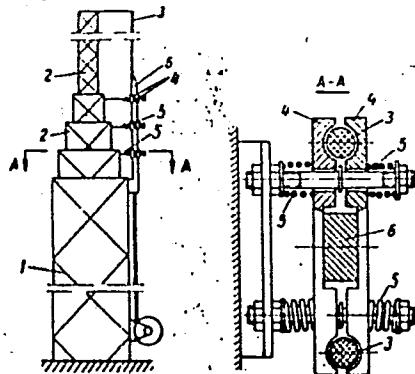
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UDC: 621.396.676

L 04282-67

ACC NR: AP6013246

Fig. 1. 1 - immovable section; 2 - movable sections; 3 - feeder cables; 4 - lugs with openings; 5 - springs; 6 - sharp wedge



Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 19Mar65

MS
Card 2/2

SOLODOVNIK, P.; POLCHANINOVA, G.; SERGEYEV, F.; VIKHANSKIY, Yu.

Practices in disinfecting seed peas with chloropicrin in winter.
Muk.-elev. prom. 29 no.3:9 Mr '63. (MIRA 16:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zerna i produktov yego pererabotki.

KIRICHENKO, P.; RATANOVA, V.; SERGEYEV, F.; POLCHANINOVA, G.

Disinfecting grain with methyl bromide in the silos of elevators
equipped with recirculating units. Muk.-elev. prom. 29 no.2;
8-9 F '63. (MIRA 16:8)

1. Khar'kovskaya mashinoispytatel'naya stantsiya (for Kirichenko).
2. Vsesoyuznyy nauchno-issledovatel'skiy institut zerna i produktov
yego pererabotki (for Ratanova, Sergeyev, Polchaninova).
(Methane) (Grain--Disinfection)

POLCHANOVА, S. (Moskva)

Instruction by mail for pregnant women and mothers in villages.
Sel'd. i akush. 22 no.5:39-42 My '57. (MLRA 10:6)
(WOMEN--HEALTH AND HYGIENE)
(CHILDREN--CARE AND HYGIENE)

POLCHANOVА, S.

POLCHANOVА, S., mladshiy nauchnyy sotrudnik, vrach.

Bighth All-Union Congress of Pediatricians. Fel'd. i akush. 22
no.11:52-56 N '57. (MIRA 11:2)
(PEDIATRICS)

POLCHANOVА, S.A., mladshiy nauchnyy sotrudnik

Care and nursing of children in the village during the first months
of their lives. Med sestra 20 no.11:21-27 N '61. (MHA 15,2)

1. Iz TSentral'nogo nauchno-issledovatel'skogo instituta sanitarnogo
proveshcheniya Ministerstva zdravookhraneniya SSSR, Moskva.
(INFANTS CARE AND HYGIENE)

POLCHANOVА, S.I.

Sanitary and educational activities of rural midwives among pregnant women. Fel'dscher & akush. no. 11:47-51 Nov 1952. (CIML 23:3)

POLCHANOVА, S. L. Cand Med Sci -- (diss) "Medical instruction work
of the rural midwife ⁱⁿ concerning birth assistance,"
~~problems of assisting in childbirth.~~

Mos, 1957. 16 pp 22 cm. (Min of Health USSR. Central Inst for
the Advanced Training of Physicians). 200 copies. (KL, 22-57, 107).

POLCHANOVА, S.L., mladshiy nauchnyy sotrudnik

Hardening the small child and the role of the district nurse. Med.
sestra 19 no.11:17-23 N '60. (MIRA 13:11)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sanitarnogo
prosveshcheniya Ministerstva zdravookhraneniya SSSR, Moskva.
(INFANTS--CARE AND HYGIENE)

POLCHANOVА, S.L.

Teaching hygiene in the medical school (in the nursing department).
Med. sestra 20 no. 2:50-53 F '61. (MIRA 14:4)

1. Iz TSentral'nogo nauchno-issledovatel'skogo instituta sanitarnogo
prosveshcheniya Ministerstva zdravookhraneniya SSSR, Moskva.
(HEALTH EDUCATION)

POLCHANNOVA, S.L., nauchnyy sotrudnik (Moskva)

"Care for a sick child" by B.G.Ioffe. Reviewed by S.L.Polchanova.
Med. sestra 20 no.3:53-54 Mr '61, (MIRA 14:5)
(CHILDREN--CARE AND HYGIENE) (IOFFE, B.G.)

POLCHANOVА, S.L. (Moskva)

Advanced training for rural midwives in the field of health education.
Sov. zdrav. 20 no.6:36-41 '61. (MIRA 14:7)
(OBSTETRICS) (PUBLIC HEALTH, RURAL)

POLCHAYEVA, K. A.

EXCERPTA MEDICA Sec.12 Vol.12/4 Ophthalmology April 58

544. A METHOD OF CYLINDROSCOPY (Russian text) - Adigezalova-Polchaeva K. A. - SBORN. TRUD. AZERBAIAN. OFTAL. INST. 1956, 1 (101-106)

A method of retinoscopy by means of cylindrical lenses is described. A parallel investigation of refraction with spherical and cylindrical lenses in 202 eyes of 112 people showed that cylindroscopy is a more precise method than the usual retinoscopy. The difference in the data obtained with retinoscopy using spherical and cylindrical lenses is 0.5-1.5 D. Mistakes occur most often in retinoscopy with spherical lenses in cases of mixed astigmatism and in astigmatism with oblique axes.

(S)

W.A.5D L 05134-67

EWT(1) JK

ACC NR: AP6031134

SOURCE CODE: UR/0438/66/028/004/0056/0061

ZIA-50

19.1
B
6

AUTHOR: Nechayevs'ka, M. R. -- Nechayevskaya, M. R.; Cherkas, G. P. --
Cherkes, G. P.; Kalinichenko, M. F. -- Kalinichenko, N. F.; Biryukova, S. V.;
Berezhkiys'ka, L. Ya. -- Berezhkovskaya, L. Ya.; Pidgorna, L. G. -- Podgornaya,
D. G.; Mukhina, A. O. -- Mukhina, A. A.; Polchenko, O. T.; Leybova, I. M.;
Konik, V. Ya.

ORG: Khar'kov Institute of Vaccines and Sera im. Mechnikov (Kharkiv's'kyy
institut vaktsin i sirovstok)

TITLE: Formation conditions of anatoxins of Clostridium perfringens, Cl.
Oedematiens and Cl. septicum from toxins obtained in meatless media

SOURCE: Mikrobiologichnyy zhurnal, v. 28, no. 4, 1966, 56-61

TOPIC TAGS: toxoid, toxin, clostridium perfringens, Clostridium oedematiens,
Clostridium septicum, bacteria toxin

ABSTRACT: Detoxification conditions for Clostridium perfringens, Cl. oedematiens and Cl. septicum toxins were studied. Cl. perfringens is best denatured by adding two doses of 0.3 and 0.2% formaline at 24-hr-intervals, while maintaining the pH

Card 1/2

L 05134-67

ACC NR: AP6031134

of the medium between 7.2-7.4, and the temperature at 38C. Detoxification takes seven to ten days under these conditions. The antitoxin-fixing activity of the toxoid obtained fluctuates between 4 and 8 EC with the native toxin titer being 400-800 Dlm/ml. The best procedure for denaturation of *C. oedematiens* toxin is addition of 0.4% Formalin. A temperature of 38C is maintained for two days, followed by storage at room temperature for 5-7 days. Toxoids with antitoxin-fixing activities of 70-120 EC and a native toxin activity of 15,000--22,000 Dlm/ml were obtained. The *C. septicum* was denatured with minimum loss of antitoxin-fixing properties by the addition of two consecutive doses of 0.15 and 0.1% Formalin, at 38C for two days with subsequent storage at room temperature for 5-7 days. The resulting toxoids have an activity of 2-4 EC with native toxin titers of 200-400 Dlm/ml.
[Based on authors' abstract] [W.A.So]

(GC)

SUB CODE: 06, 13/ SUBM DATE: 07Apr85/

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Card 2/2

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341720006-7

POL'CHENKO, V.I. (Kiyev)

Planning hospital care. Vrach.delo no.2:179-182 P '56. (MIRA 9:?)
(HOSPITALS)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341720006-7"

POL'CHENKO, V.I. (Kiyev)

Some characteristics of the hospitalization of rural patients in
rural and municipal hospitals. Vrach.delo no.4:401-403 Ap '57.
(UKRAINE--HOSPITALS, RURAL) (MIRA 10:7)

POL'CHENKO, V.I.

Planning in public health work. Sov. zdrav. 16 no.2:13-18 p '57
(MLRA 10:4)

1. Zamestitel' nachal'nika Planovo-finansovogo upravleniya
Ministerstva zdravookhraneniya USSR.
(PUBLIC HEALTH
in Russia, technic of planning)

POL'CHENKO, V.I.

Principles for planning a system of day nurseries. Ped., akush. i
gin. 19 no.2:42-44 '57. (MIRA 13:1)

1. Planovyy otdel (nach. - V.I. Pol'chenko) Ministerstva okhrany
zdrav'ya USSR.
(UKRAINE--DAY NURSERIES)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341720006-7

POL'CHENKO, V.I. (Kiyev)

Determining the degree of availability of hospital services.
Vrach.delo no.1:81-83 Ja '58. (MIRA 11:3)
(HOSPITALS)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341720006-7"

for information

POL'CHENKO, V.I. (Kiyev)

Some remarks concerning the theory and practice of public health
planning. Sov.zdrav. 17 no.1:26-30 Ja '58. (MIRA 11:2)
(PUBLIC HEALTH
in Russia, organiz. (Rus))

POL'CHENKO, V.I. (Kiyev)

Method of determining the capacity of district hospitals.
Sov. zdrav. 21 no.2:27-30 '62. (MIRA 15:3)
(HOSPITALS)
(PUBLIC HEALTH, RURAL)

POL'CHENKO, V.I. (Kiyev)

Basic principles in the planning of a hospital network. Vrach.delo
no.5:519-521 My '59. (MIRA 12:12)

1. Ministerstvo zdravookhraneniya USSR.
(UKRAINE--HOSPITALS--LOCATION)

POL'CHENKO, V.I.

On certain characteristics of hospital services for the rural population.
Sov.zdrav. 18 no.11:6-11 '59. (MIRA 13:3)

I. Zamestitel' nachal'nika planovo-finansovogo upravleniya Ministerstva
zdravookhraneniya USSR.
(HOSPITALS, statist.)
(RURAL HEALTH)

POL'CHENKO, V.I. (Kiev)

Basic indexes for the development of the public health system
in the Ukrainian S.S.R. during the seven-year plan from 1959
to 1965. *Vrach.delo* no.1:77-79 '60. (MIRA 13:6)

1. Planovyy otdel Ministerstva zdravookhraneniya USSR.
(UKRAINE--PUBLIC HEALTH)

POL'CHENKO, V.I.

"Methodology of determining the standard requirements for medical care in rural areas" by V.I.Kant. Reviewed by V.I.Pol'chenko.
Zdravookhranenie 3 no.6:60-62 N-D '60. (MIRA 13:12)
(MOLDAVIA—MEDICAL CARE) (KANT, V.I.)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341720006-7

POL'CHENKO, V.I. (Kiyev)

Prospects for development of rural medical districts. Sov.
zdrav. 19 no. 8:30-34 '60. (MIRA 13:10)
(PUBLIC HEALTH, RURAL)

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CIA-RDP86-00513R001341720006-7"

Polch.N

C ECHOSLOVAKIA/General Problems

E-1

Auth Jour : Ref Zhur - Khiniya, No 3, 1958, No 7527

Author : Polchin

Inst : Not Given

Title : Potentiometric Determination of Complexone III by the
Salt of Bi-Valent Mercury

Orig Pub : Chem. listy., 1957, 51, No 1, 168-170

Abstract : In the case of dark and cloudy solutions the visual complexometric determination of a series of cations by back-titration with an excess of complexone III (I) using murexide, erio-chrome black T and other indicators is difficult, so that the potentiometric back titration with a solution of Hg (2+) salt is applied. This technique allows one to determine all cations, complexes of which with I are either more stable or, at least, are as stable as the complex with Hg, for example Ca, Mg, Cd, Hg, Pb, Cu and others. The electrode-indicator consists of Hg layers 0.5 cm thick on the bottom of a titration vessel with a Pt-contact soldered into a glass tube. The large surface of the electrodes insures a rapid potential

Card : 1/2

POLCIN, J., inz. CSc.; KAPUSTOVA, J., inzh.

Delignification of wood irradiated by gamma rays. Sbor cel pap 8:
9-33 '63.

CA

7

Sulfur dioxide in sulfite liquors. J. Polgár, Chem. Zvesti 5, 303-7(1951).--Inorg. and aldehyde-bound SO₂ is detd. potentiometrically by double buret titration or by titration with Pt capillary electrode. Jan Míka

23

CA

The reaction of lignin with formaldehyde. R. Horálek
and J. Polívka, Chem. Zvesti 5, 323-36 (1951). Both quinol
and quinonoid reactions of lignin with formaldehyde have been
reviewed. HCHO reacts with the side chain of lignin and
various types of lignin can be differentiated. Sulfite lignin
and ethanol lignin show best reactions. The reaction ap-
pears to be of the aldol type. Jan Micka

BYŁO, Zbigniew; PANEK, Maria; POLCHŁÓPEK, Bogusława

Effect of certain compounds on the course of reaction in
the system carbon-hydrogen peroxide. Archiw gorn 10 no.1:
65-78 '65.

1. Department of Chemistry of Metals and Ores of the School
of Mining and Metallurgy, Krakow. Submitted February 5, 1964.

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341720006-7

POLCHLOPEK, Tadeusz

Application of diamond drills and bits to deep hole drilling.
Wiad naft 9 no.5:100-101 'My '63.

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CIA-RDP86-00513R001341720006-7"

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341720006-7

PIERONIK, T.; POLCHLOPEK, Tadeusz; MARCZENSKI, Jozef

News from abroad. Wiad naft 9 no.7/8:187-190 J1-Ag '63.

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341720006-7"

POLCHLOPEK, Tadeusz

Electrochemical tightening of hole walls in order to liquidate
the dwindling of drilling fluid. Wiad naft 9 no. 6:123-125 Je '63.

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341720006-7

POLCHLOPEK, Tadeusz

Aluminum screw casings. Wiad naft 8 no.4:75-76 Ap '62.

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341720006-7"

POLCIN, J.; IZAKOVA, O.

Diffusion in both plane and cylindrical bodies from the viewpoint
of evaluating the absorption process in tower absorbers. Stor cel
pap 9:53-72 '64.

POLCIN, J.; VARGOVA, C.

Possibilities of determining lignin in wood, high-yield pulps,
and semichemical pulps by infrared spectrophotometry. Sbor cel
pap 9:165-185 '64.

POLCIN, J.

"Contribution to the study of characteristics of AS-lignin. I. Chlorination of AS-lignin with hypochlorites." Chemicke Zvesti, Bratislava, Vol. 8, No. 4, Apr. 1954, p. 227.

SO: Eastern European Accessions List, Vol. 3, No. 11, Nov. 1954, L.C.

FOLCIN, J.

POLCIN, J. Contributions to study of the properties of AS-lignin.
II. Elementary constitution of functional groups. p. 300
Vol. 10, no. 5 May 1956
CHEMICKE ZVESTI. BRATISLAVA. CZECHOSLOVAKIA.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4—April 1957

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341720006-7

POLCIN, J.

Symposium on lignin. Papir a celulosa 17 no.2:44 P '62.

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341720006-7"

POLCIN, Jan. inz., ScG.; SAMKOVA, Maria, inz.

Determination of lignin in unbleached pulps; comments on the draft of a new Czechoslovak standard. Papir a celulosa 18 no.5:93-98 My '63.

1. Vyskumny ustav papieru a celulozy, Bratislava.

POLGIN, Jan, inz., C.Sc.; KOSIKOVA, Bozena, inz.; SUCHY, Jan, inz.,
C.Sc.; VASATKOVA, Miroslava, inz.

Examination of the alcohol extraction of lignin by means
of infrared spectrophotometry. Chem zvesti 16 no.7:562-573
Jl '62.

1. Ceskoslovenska akademie ved, Ustav dreva, celulozy a
chemickych vlakien Slovenskej akademie vied, Bratislava.
Authors' address: Bratislava, Dubravska cesta, Chemicky
ustav Slovenskej akademie vied.

POLCIN, J.

Characteristics of chlorine in lignin. I.

p. 450 (CHEMICKE ZVESTI) Vol. 10, no. 7, Sept. 1956,
Bratislava, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,
March 1958

POLCIN, J.

"Potentiometric determination of complexon III with mercury (II)-salt. In German."

p. 1057 (Collection of Czechoslovak Chemical Communications. Sbornik Chekhoslovatskikh Khimicheskikh Rabot.) Vol. 22, no. 3, June 1957.
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

POLCIN, J., inz. CSc.; VARGOVA, C., promovany chemik

Contribution to ultraviolet spectral absorption of lignosulfonic acids in sulfite spent liquors. Sbor cel pap 8:97-118 '63.

POLCIN, Jan, inz., CSc.; KOSIKOVA, Bozena, inz.; SIPOS, Peter, inz.;
DANDAROVA-VASATKOVA, Miroslava, inz.; SUCHY, Jan, inz., CSc.

Changes of the infrared spectra of spruce lignin in the
band 1600 - 1800 cm^{-1} during acid hydrolysis. Chem zvesti
17 no.12:891-904 '63.

1. Ceskoslovenska akademie ved, Chemicky ustav Slovenskej
akademie vied, Bratislava, Dubravska cesta.

CZECHOSLOVAKIA / Chemical Technology. Chemical Products and Their Application. Cellulose and Its Derivatives. Paper. H-33

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 3198.

Author : Polcin, J.

Inst : Not given.

Title : Chlorine in Chlorlignins.

Orig Pub: Chem. zvesti, 1958, 12, No 2, 108-112.

Abstract: Upon the dechlorination of chlorinated lignins (L) under pressure in the presence of NaOH, Na_2CO_3 and NH_3 , a part of the Cl is easily split off, the remaining Cl for its splitting off requires an elevated temperature and a prolonged reaction time. It is assumed that the residual Cl is tied up with an aromatic ring of L. By

Card 1/2

POLCIN, J.

Gasometric determination of ammonia in ammonium salts. p. 446.

CHEMICKE ZVESTI. (Journal on applied chemistry issued by the Slovak Academy of Sciences and the Slovak Chemical Society. Monthly)
Bratislava, Czechoslovakia, Vol. 13, No. 7/8, July/Aug., 1959.

Monthly List of East European Accessions, (EEAI), LC, Vol. 8, No. 12, Dec. 1959.
Uncl.

CZECHOSLOVAKIA / Chemical Technology, Cellulose and
Its Derivatives. Paper.

H-33

Abs Jour: Ref Zhur-Khimiya, No 14, 1959, 51984.

Author : Polcin, J.

Inst : Not given.

Title : Complexometric Determination of Calcium in the
Cellulose Ash.

Orig Pub: Papir a celulosa, 1958, 13, No 12, 280-282.

Abstract: Presented is the method of calcium determination
in the cellulose ash by means of titration with
0.01 M complexon-III in alkaline medium. A mix-
ture of murexide and green naphthol B is used as
indicator instead of the former in pure form. Use
of the mixed indicator improves considerably the
end point. In normal celluloses, the titration
for calcium may be done directly since cations of

Card 1/2

H-196

POLCIN, J.

Determination of sodium in neutral sulfite-cooking liquors by flame photometer.
p. 169.

PAPIR A. CELULOSA. (Ministerstvo lesu a drevarskeho prumyslu) Praha, Czechoslovakia.
Vol. 14, no. 8, Aug. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, no. 10, Oct. 1959.
uncl.

POLCIN, Jan, C.Sc.

A contribution to the determination of brightness and
yellowness of pulp and paper. Sbor cel pap 6:49-58 '61

POLCIN, J.

"Characteristics of chlorine in chlorolignin. II."

p. 60 (Chemicke Zvesti, Vol. 12, no. 1, Jan. 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 9,
September 1958

POLCIK, J.

2249. Potentiometric determination of Camphoraceous
III with mercury salt. J. Polith (Res. Inst. Cellulose,
Bratislava, Czechoslovakia). Chem. Listy, 1957,
51 (1), 169-170.—The determination is carried out
in aq. NH₃ soln. with a mercury indicator electrode.
The method can be used for the indirect titrimetric
determination of Ca, Mg, Cd, Hg, Pb and Cu²⁺ when
a known vol. of EDTA (disodium salt) (I) is added
and the excess is determined by mercurimetric
titration. Procedure—Add a known excess of 0.1 M
I to a neutral soln. of the sample, add buffer soln.
(aq. NH₃ - NH₄Cl) (20 ml), dilute to 50 ml and add
sufficient Hg to form a 0.5-cm layer in the titration
vessel. Immerse a platinum wire into the Hg,
connect with a mercurous chloride electrode and
adjust the potential to between 160 and 200 mV by
adding the buffer soln. or acetic acid. Titrate with
0.1 M Hg (NO₃)₂. Iron can be masked with tartaric
acid or with ammonium tartrate. J. ZYKA

M. fra

Polcin Jan

CZECHOSLOVAKIA/Analytical Chemistry - Analysis of Inorganic
Substances.

E-2

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 24842

Author : Polcin Jan

Inst :

Title : Rapid Determination of Total Sulfur in Sulfides, Sulfites
and Thiosulfates by Methods of Ion-Exchange and Conducto-
metric Titration.

Orig Pub : Chem. zvesti, 1957, 11, No 8, 494-498

Abstract : Description of a method based on oxidation of S^{2-} , SO_3^{2-}
and $S_2O_3^{2-}$ to SO_4^{2-} , removal of cathions of metals by pas-
sing the solution being analyzed through a cathionite in
the H-form, and titration of the H SO_4^{2-} that is formed. In
the presence of Cl^- ions it is necessary to carry out an
additional argentometric titration. Approximately 2 g of
the sample (0.5-0.8 g S) are dissolved in 500 ml water,
20 ml of this solution are withdrawn, 3 ml 5% solution

Card 1/3

POLCIN, Jan, inz., C.Sc.; SAMKOVA, Maria, inz.

Determining extractible substances in pulp. Papir a celulosa
17 no.11:241-247 N '62.

1. Vyskumny ustav papieru a celulezy, Bratislava.

Polcin, Jan

CZECHOSLOVAKIA / Chemical Technology. Chemical Products and
Their Application. Cellulose and Cellulose
Products. Paper.

H-33

Abs Jour : Ref Zhur - Khim, No 3, 1958, No 10,017

Author : Polcin, Jan

Inst : Not given

Title : A Rapid Method of Determination of Total Sulfur in the
Sulfate Liquor Thru Ion-Exchangers and Conductometric
Titration.

Orig Pub : Papir a celulosa, 1956, 11, No 9, 189-191

Abstract : In the ion-exchanger method, the S present in the white
and green liquors and in the sulfate melt is oxidized to
 SO_4^{2-} with H_2O_2 and filtered through a cation-exchanger
in the H^+ form. The H_2SO_4 which separates out is titra-
ted with alkali and the chlorides are titrated with AgNO_3
or $\text{Hg}(\text{NO}_3)_2$. The oxidized and neutralized sample may be
subjected to conductometric titration with BaCl_2 or $\text{Ba}(\text{OCOCH}_3)_2$
directly, or first filtered-through a cation-ex-

POLON, J.

Quick titration of Schweizer's reagent with complexon. III. p. 103.
PAPIR A CELULOZA. (Ministerstvo lesu a drevarskeho prumyslu) Praha.
Vol. 11, no. 5, May 1956.

SOURCE: East European Acces·ions List, Vol. 5, no. 9, September 1956

POLCIN, J.

First common standards of the member states of the Council
for Mutual Economic Assistance. Papir a celulosa 18 no.11:
228-229 N°63.

1. Vyskumny ustav priemyslu celulozy, Bratislava.

POLCIN, J., inz. CSc.; SLAMA, L., inz.; BULLA, I., inz.

Polarographic continuous analyzer of sulfur dioxide. Sbor
cel pap no. 7:245-258 '62.

POLCIN, Jan, inz.; MOTYCKA, Oldrich, dr.

From the Conference on Standards of the Council for Mutual
Economic Assistance in Budapest. Papir a celulosa 18
no. 6: 121-123 Je '63.

1. Vyskumny ustav papieru a celulozy.

SLAMA, L.; POLCIN, J.; BULLA, I.; POLONYI, J.

Polarographic analyzer of SO₂ in boiling solutions. Bul
VUPC 6 no.1: 3-27-163.

POLCIN, Jan; SAMKOVA, Maria

Determining the delignification degree of unbleached pulp by
the Kappa method. Papir a celulosa 17 no.2:25-28 F '62.

1. Vyskumny ustav papieru a celulosy, Bratislava.

POLCHLOPEK, Tadeusz

Needs of the vocational school of the petroleum industry
in Krosno. Wiad naft 9 no.1:18-19 Ja '63.

POLGOVMICOVA, C.

"Role of the nervous system in the pathogeny of hemolytic anemia. Tr. from the
Russian", p. 25 (analele Romano-Sovietice, Seria Medicina Generala, Series a III-a,
v. 6, no. 2, Mar./Apr. 1953, Bucuresti)

SO: Monthly List of Russian Accessions, Library of Congress, September 1953, Uncl.
East European Vol. 2, No 9

POLCR, Jan

Production of molds by high unit pressure in the Moravske
zelezarny. Slevarenstvi 12 no.11:436-437 N '64.

1. Moravske zelezarny, Olomouc.

HUNGARY

POLCZ, Alaine, Dr., Central Institute for Children's Neurology
(Kozponti Gyermekideggondozo Intezet) [location not given] (Physician-in-Chief: SCHNELL, Janos, Dr.).

"Diagnostic and Therapeutic Applications of the World-Technique Method in Hungary"

Budapest, Magyar Pszichologiai Szemle, Vol 23, No 1-2, 1966, pp 158-166.

Abstract: The world technique (cf. "The World Test, a Measurement of Emotional Disturbance"; New York: Psychological Corporation [publication date not given]) was described and its diagnostic and therapeutic applications in Hungary discussed. Examples of the actual test text, questions, and evaluation methods practised were presented. The author employs the active therapeutic approach in this test, and also in other game tests such as the puppet game test and the Steno test. 7 references, including 1 German and 6 Western.

1/1

POLCZ, Alaine, dr.

The "Little Lion" play as a diagnostic and therapeutic tool. Magy
pszichol szemle 19 no.2:186-195 '62.

1. Kozponti Gyermekideggondozo Intezet. Igazgato-foorvos: Dr.Schnell
Janos.

LISSAK K., PÖLCZ L. and ENDRÖCZI E.

Physiol. Inst., med. Univ., Pécs. *Erregungs- und Hemmungszustände des zentralen Nervensystems in Spiegel der Änderungen des peripheren Blutbildes. Excitation and inhibition states of the CNS in the light of changes in the peripheral blood picture ACTA PHYSIOL. ACAD. SCIENT. HUNG. (Budapest) 1954, 5/suppl. (88)

SO: EXCERPTA MEDICA - Section II, Vol. 7, No. 10

POLCZ, I.

KENDROCZI, E.; LISSAK, K.; POLCZ, L.

Manifestations in the peripheral blood count of excitation and inhibition states of the central nervous system. Acta physiol. hung. 5 no.3-4:407-420 1954.

1. Institute of Physiology of the Medical University, Pecs.
(Received on June 9, 1953)

(LEUKOCYTE COUNT

*eff. of vagal stimulation & barbiturate anesth. in cat)

(ERYTHROCYTES

*count, eff. of vagal stimulation & barbiturate anesth.
in cats)

(NERVES, VAGUS, physiol.

*eff. of stimulation on erythrocyte & leukocyte count
in cats)

(BARBITURATES, anesth. & analgesia

*eff. on erythrocyte & leukocyte count in cats)

SZAM, Istvan, dr.; POLCZ, Lajos, dr.

Data on the prognosis in renal changes secondary to endocarditis
lenta. Orv. hetil. 102 no.45:2121-2123 5 N '61.

1. Budapesti Orvostudomanyi Egyetem, IV Belgyogyaszati Klinika.

(ENDOCARDITIS SUBACUTE BACTERIAL compl)
(KIDNEY DISEASES etiol)

ADLER, Peter, dr.; POLCZER, Gyorgyi, dr.

Increase of the incidence of caries in the last decade. Nepegeszsegugy
44 no.2:40-45 F '63.

1. Kozlemeny a Debreceni Orvostudomanyi Egyetem Stomatologial
Klinikajarol.
(DENTAL CARIES) (STATISTICS)

SINKOVITS, V., dr.; POLCZER, Gy. dr.; GYULAVARI, O., dr.; BENCZE, J., dr.

Dentition of children newly enrolled into schools in Debrecen.
Fogorv. szemle 58 no.5:148-151 My '65

1. A Debreceni Orvostudomanyi Egyetem Stomatologial Klinikajarol
(Igazgato: Adler, Peter, dr. egyetemi tanar).

POLCZER, Judit, dr.

Relation between the eruption of permanent teeth and body development. Fogorv. szemle 58 no.11:333-335 N '65.

1. A Debreceni Orvostudomanyi Egyetem Stomatologiai Klinikajáról
(Igazgató: Adler, Peter, dr. egyetemi tanar).

POLCZER, Maria; BENCZE, Jolan

"Accelerated" change of dentition. Acta paediat. acad. sci. Hung.
6 no.3/4:329-346 '65.

1. Stomatologische Klinik der Medizinischen Universitat Debrecen.
Submitted April 23, 1965.

POLCZYNSKI, Janusz, mgr inz.

Possibilities for the utilization of molasses in the national economy. Przegl techn no.1:5 3 Ja '62.

I 39674-65 EWT(1)/EWG(v)/FCC/EEC(t) Po-4/Pe-5/Pg-4/Pt-10/P1-4 GW
ACCESSION NR: AP4047598 S/0023/64/000/003/0192/0199

AUTHOR: Pyldmaa, V. (Poldmaa, V.)

TITLE: Twilight sky spectrophotometer

SOURCE: AN EstSSR. Izvestiya. Seriya fiziko-matematicheskikh i tekhnicheskikh nauk, no. 3, 1964, 192-199

TOPIC TAGS: spectrophotometer, twilight sky, sun ray, self compensating potentiometer

ABSTRACT: A spectrophotometer used for measuring the brightness of twilight sky on the sun's vertical and perpendicularly to it is described. The detector used was a photomultiplier FEI-27. The photocurrent was amplified by a preamplifier and recorded by a self-compensating potentiometer EPP-09M2. The photometer was calibrated in absolute units of energy. The brightness was measured in spectral ranges $\lambda_{eff} = 422, 479$ and $574 \mu\text{m}$, when the zenith distance of the sun was $\zeta_0 = 90-100^\circ$. The distribution of the sky brightness on the sun's side of the hemisphere is given in the spectral range $\lambda_{eff} = 422 \mu\text{m}$ by $\zeta_0 = 94, 96, 98$,

Card 1/2

L 39674-65

ACCESSION NR: AP4047598

100°. Orig. art. has: 6 equations, 8 figures, and 1 table.

ASSOCIATION: Institut fiziki i astronomii Akademii nauk Estonskoy SSR (Institute of Physics and Astronomy, Academy of Sciences, Estonian SSR)

SUBMITTED: 06Mar64

ENCL: 00

SUB CODE: GP, AA

NR REF SOV: 004

OTHER: 004

SO2
Card 2/2

POLDUSHKIN, G., inzhener.

Aviation at the All-Union Agricultural Exhibition. Grazhd.av.13 no.7:
26-27 Jl '56. (MIRA 9:9)
(Aeronautics in agriculture)(Moscow--Agricultural exhibitions)

POLDUSHKIN, G.

84-5-30/42

AUTHOR: Poldushkin, G.

TITLE: A Unit of the GVF Participating in the VSKhV (Podrazdeleniye - uchastnik VSKhV)

PERIODICAL: Grazhdanskaya Aviatsiya, 1957, Nr 5, p. 35 (USSR)

ABSTRACT: The unit whose commander is comrade Orlov (Ukrainian Territorial Administration) was awarded the "2nd class" diploma and a GAZ-51 car by the main committee of the VSKhV, and is the first unit to be distinguished by the VSKhV. Individual awards were received by: Pilot A. Gumenyuk for extermination of the sugar-beet pest (during the past season) on an area of 6166 hectares; S. Ivanov, assistant chief of comrade Orlov's unit; A. Zinyakov, chief operations engineer; S. Petrov, chief engineer for special purpose assignments. The average coverage of sugar-fields per extermination squad was 4569 hectares (per season.)

AVAILABLE: Library of Congress

Card: 1/1

AUTHOR: Poldushkin, G. SOV/84-58-3-23/52

TITLE: Helicopters With the Whaling Flotilla (Vertolety na kitoboynoy flotilii)

PERIODICAL: Grazhdanskaya aviatsiya, 1958, Nr 3, p 13 (USSR)

ABSTRACT: The short note reports on two helicopters, a Mi-1 and a Ka-15, which have been brought to the whaling flotilla "Slava" operating in the Antarctic. The Ka-15 appears in the Antarctic for the first time. It can land on water on special "pontoonettes". The helicopters will be used for whale reconnaissance.

1. Whales--Capture 2. Helicopters--Performance

Card 1/1

SOV/84-58-5-41/57

AUTHOR: Poldushkin, G.

TITLE: Awards to Advanced Workers (Perekoviki proizvodstva poluchayut nagrady)

PERIODICAL: Grazhdanskaya aviatsiya, 1958, Nr 5, p 34 (USSR)

ABSTRACT: In this short note, the author mentions several aviators of a Krasnodar kray agricultural unit of the North Caucasian Territorial Administration of the GVF, who were awarded prizes by the All-Union Agricultural Exhibition for their outstanding achievements.

1. Civil aviation 2. Pilots---Performance

Card 1/1

SOV/84-58-10-39/54

AUTHOR: Poldushkin, A., Sr. Engineer of Aviation Administration for Special Assignments and Aerial Photography

TITLE: Best Advertisement (Luchshaya reklama)

PERIODICAL: Grazhdanskaya aviatsiya, 1958, Nr 10, p. 30 (USSR)

ABSTRACT: The author reports on conditions prevailing at various local air lines and on their respective management and incomes. He advocates better organization and service on local airlines in preference to advertising. There is 1 photograph.

Card 1/1